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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO. 6299
10/038,760	01/04/2002		Anthony A. Sauve	96700/725	
7:	590	08/07/2003			•
Craig J. Arnol Amster, Rothst			EXAMINER		
90 Park Avenue	e	stein		MCINTOSH III, TRAVISS C	
New York, NY 10016				ART UNIT	PAPER NUMBER
				1623	11
•				DATE MAILED: 08/07/2003	U

Please find below and/or attached an Office communication concerning this application or proceeding.

		File Cop.				
•	Application No.	Applicant(s)				
Office Action Summary	10/038,760	SAUVE ET AL.				
- Omoo Modon Gummary	Examiner	Art Unit				
The MAIL ING DATE of this communication a	Traviss C McIntosh	1623				
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu - Any reply received by the Office later than three months after the mailit earned patent term adjustment. See 37 CFR 1.704(b). Status	I. 1.136(a). In no event, however, may a integrity within the statutory minimum of third d will apply and will expire SIX (6) MON	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communication.				
1)⊠ Responsive to communication(s) filed on <u>04</u>	Lluna 2002					
	his action is non-final.					
3) Since this application is in condition for allow		W				
closed in accordance with the practice under Disposition of Claims	r Ex parte Quayle, 1935 C.[ters, prosecution as to the merits is D. 11, 453 O.G. 213.				
4) Claim(s) 1-37 is/are pending in the applicatio	ın.					
4a) Of the above claim(s) <u>6-9,12-13,16-17,and</u>	<u>d 20-29</u> is/are withdrawn fro	om consideration.				
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-5,10,11,14,15,18,19 and 30-37</u> is/a	are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers	•					
9)⊠ The specification is objected to by the Examine						
10)☐ The drawing(s) filed on is/are: a)☐ acce						
Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a)						
11) The proposed drawing correction filed on	_ is: a)☐ approved b)☐ di	sapproved by the Examiner.				
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Ex	caminer.					
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)☐ All b)☐ Some * c)☐ None of:						
 Certified copies of the priority documents 	s have been received.					
Certified copies of the priority documents		plication No.				
 3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list 	rity documents have been re reau (PCT Rule 17.2(a)). of the certified copies not re	eceived in this National Stage				
14) Acknowledgment is made of a claim for domestic	c priority under 35 U.S.C. §	119(e) (to a provisional application).				
 a) The translation of the foreign language pro 15) Acknowledgment is made of a claim for domestic 	visional application has bee	en received				
Attachment(s)						
)	5\	ommary (PTO-413) Paper No(s) ormal Patent Application (PTO-152)				

3)

Detailed Action

Acknowledgment is made of the Preliminary Amendment filed June 4, 2003 in which applicant added new claims 30-37.

Election/Restrictions

Applicant's election of the species wherein A is an N-linked heterocyclic compound in Paper No. 10 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Applicant's state that claims 1-5, 10, 11, 14, 15, 18, 19, and 30-37 read on the species elected.

An action on the merits of claims 1-5, 10, 11, 14, 15, 18, 19, and 30-37 is contained herein below.

Information Disclosure Statement

The listing of references in the specification is not a proper information disclosure statement. 37 CFR 1.98(b) requires a list of all patents, publications, or other information submitted for consideration by the Office, and MPEP § 609 A(1) states, "the list may not be incorporated into the specification but must be submitted in a separate paper." Therefore, unless the references have been cited by the examiner on form PTO-892, they have not been considered.

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Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-5, 10, 11, 14, 15, 18, 19, and 30-37 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 is indefinite wherein it is unclear as to why the variable A is in parenthesis. The use of parenthesis around a variable represented by a single letter is not standard practice, and the examiner is unsure as to what applicants intend by the use of the parenthetical variable.

Claim 1 is indefinite wherein applicant uses confusing alternative language. Applicants recite: "D is a primary alcohol, a hydrogen, or an oxygen, nitrogen, carbon, or sulfur linked to phosphate, a phosphoryl group, a pyrophosphoryl group, or adenosine monophosphate through a phosphodiester or carbon-, nitrogen-, or sulfur-substituted phosphodiester bridge or to adenosine diphosphate through a phosphodiester or carbon-, nitrogen-, or sulfur-substituted pyrophosphodiester bridge". Does applicant intend D to optionally be a phosphoryl group? Clarity is respectfully requested.

Claim 3 is indefinite wherein the claim recites "a substituted pyridyl group" or a "substituted pyrimidyl group". In the absence of the identity of moieties which are intended to be substituted onto the pyridyl or pyrimidyl core, the identity of the moieties effectuating a modification or substitution onto the core would be difficult to ascertain. In the absence of said moieties, the claims containing the term "substituted" are not described sufficiently to distinctly point out that which applicant intends as the invention.

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All claims which depend from an indefinite claim are also indefinite. Ex parte Cordova, 10 U.S.P.Q. 2d 1949, 1952 (P.T.O. Bd. App. 1989).

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-4, 10-11, and 30-32 are rejected under 35 U.S.C. 102(a) as being anticipated by Sauve et al. (Document #10 of IDS filed April 24, 2002: "A Covalent Intermediate in CD38 is Responsible for ADP-Ribosylation and Cyclization Reactions", J. of the American Chemical Society, vol. 122, no. 33, Aug. 23, 2000).

Claims 1 and 2 of the instant application are drawn to the compound of the formula:

wherein B and C are optionally H or halogen, D is optionally an O-linked to a phosphate group, and A is a N-linked heterocyclic group. Claims 3 and 4 limit A to a nicotinamide group. Claims 10-11, and 30-32 limit B and C to either of both are H or one is H and the other is halogen, amino, or thiol group.

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Sauve et al. disclose a compound in column 2, page 7856 (ara-F-NMN⁺) which is represented by the structure:

wherein D is disclosed as being an O-linked to a phosphate group. The moiety in the A position of the instantly claimed compound is nicotinamide. The structure of Sauve et al. is seen to anticipate the instant application's claims 1-4, 10-11, and 30-32.

Claims 1-3, 10-11, 14-15, 18, 30-33, and 36 are rejected under 35 U.S.C. 102(a) as being anticipated by Von Borstel et al. (US Patent 6,103,701).

Claims 1 and 2 of the instant application are drawn to the compound of the formula:

wherein B and C are optionally H or halogen, D is optionally a phosphoryl group, and A is a N-linked heterocyclic group. Claim 3 limits A to optionally a substituted pyrimidyl group. Claims 10-11, and 30-32 limit B and C to either of both are H or one is H and the other is halogen,

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amino, or thiol group. Claims 14, 15, and 33 limit D to a primary alcohol or H. Claims 18 and 36 are drawn to a composition comprising the compounds of claims 1 and 3 and a carrier.

Von Borstel et al. discloses a compound in column 6, formula III, represented by the structure:

wherein R is disclosed as being H or an acyl radical. The moiety at the A position of the instantly claimed compound is seen to be a substituted pyrimidyl group. Von Borstel et al. show the compounds to be effective in compositions when combined with pharmaceutically acceptable carriers (column 22, lines 28-38). The structure and compositions of Von Borstel et al. are seen to anticipate the structures and compositions of claims 1-3, 10-11, 14-15, 18, 30-33, and 33 of the instant application.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Traviss McIntosh whose telephone number is 703-308-9479. The examiner can normally be reached on M-F 8:30-5:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James O. Wilson can be reached on 703-308-4624. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3014 for regular communications and 703-305-3014 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.

Traviss C. McIntosh August 4, 2003 James O. Wilson

Supervisory Patent Examiner
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